Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Construction of General Public Toilet in Mallasandra Colony School in ward no 13 Mallasandra

Shettyhalli Sub Division

Est .Cost Rs.50.00 Lakhs

Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
Earth work excavation for foundation of building water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per specifications. **Page No. 5 / Item No. 2.4 of PWD SR 2016-17**								
site cleaning		1	15.00	12.00	0.30	54.00		
Column footing	**Cum**	9	1.80	1.80	2.00	58.32		
L/wall		3	13.70	0.90	1.05	38.84		
S/wall		4	7.30	0.90	1.05	27.59		
S/ wall		2	4.90	0.90	1.05	9.26		
wall b/n toilet		8	1.50	0.60	0.75	5.40		
Sump tank		1	4.00	3.00	2.10	25.20		
Sanitary line		1	40.00	0.90	1.00	36.00		
Water supply line		1	40.00	0.75	1.00	30.00		
Passage		1	13.00	0.90	0.90	10.53		
Building all round		2	12.30	1.00	0.20	4.92		
		2	9.09	1.00	0.20	3.64		
Deduct For Column		-11	0.90	0.90	0.75	-6.68		
					Net Qty	**243.02**	**305.64**	**74276.02**
Basic Rate	**283.00**							
Area Weightage 8%	22.64							
	305.64							
2 KSRB 4-1.2 : Providing and laying in position plain **cement concrete of mix 1:3:6 with OPC** cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS **(P.No. 12/I.No. 4.2 of CSR 2016-17)**								
Column footing	**Cum**	9	1.80	1.80	0.15	4.37		
L/wall		3	13.70	0.90	0.15	5.55		
S/wall		4	7.30	0.90	0.15	3.94		
S/ wall		2	4.90	0.90	0.15	1.32		
wall b/n toilet		8	1.50	0.60	0.15	1.08		
Sump tank		1	4.00	3.00	0.15	1.80		
Passage		1	13.00	0.90	0.15	1.76		
Building all round		2	12.30	1.00	0.15	3.69		
		2	9.09	1.00	0.15	2.73		
For floor bed								
Waiting Hall (for Gents)		2	5.10	4.30	0.15	6.58		
For ladies		2	2.60	3.12	0.15	2.43		
TOILET Rooms (for Gents)		6	1.50	1.30	0.15	1.76		
For ladies		8	1.50	1.30	0.15	2.34		
					Net Qty	39.35	5,449.68	214429.10
Basic Rate	5,046.00							
Area Weightage 8%	403.68							
	5,449.68							
3 Providing and constructing **granite /trap/ baslat size stone masonry in foundation** with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications **Page No. 23 / Item No. 5.6, PWD SR 2016-17**								
L/wall 1st step	Cum	3	13.70	0.75	0.45	13.87		
S/wall		4	7.30	0.75	0.45	9.86		
S/ wall		2	4.90	0.75	0.45	3.31		
Long wall 2nd step		3	13.70	0.65	0.45	12.02		
S/wall		4	7.30	0.65	0.45	8.54		

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	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
	ll		2	4.90	0.65	0.45	2.87		
							50.46		
	Deduct For Column		11	0.45	0.45	0.90	2.00		
							2.00		
	Basic Rate	4,187.00			Net Qty		**48.46**	**4,521.96**	**219126.27**
	Area Weightage 8%	334.96							
		4,521.96							
	Providing and constructing **granite /trap/ baslat size stone masonry in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications **Page No. 23 / Item No. 5.9, PWD SR 2016-17**								
		Cum							
	L/wall		3	13.70	0.45	0.45	8.32		
	S/wall		4	7.30	0.45	0.45	5.91		
	S/ wall		2	4.90	0.45	0.45	1.98		
	wall b/n toilet		8	1.50	0.30	0.30	1.08		
							16.22		
	Deduct For Column		11	0.45	0.45	0.45	1.00		
					Net Qty		**15.22**	**5,405.40**	**82258.70**
	Basic Rate	5,005.00							
	Area Weightage 8%	400.40							
		5,405.40							
5	**Providing ruled pointing to coursed stone masonry** with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, labour, curing complete as per specifications **Page No. 113 / Item No. 15.3, PWD SR 2016-17**								
	Long Wall	Sqm	2	12.30		0.45	11.07		
	Short Wall		2	9.09		0.45	8.18		
	Passage		2	6.62		0.45	5.96		
					Net Qty		**25.21**	**105.84**	**2668.12**
	Basic Rate	98.00							
	Area Weightage 8%	7.84							
		105.84							
6	**Filling avaialble excavated earth** (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification Page No. 6 / Item No. 2.10 / PWD SR 2016-17								
		Cum		Qty as per It 1			**243.02**	137.16	**33332.35**
	Basic Rate	127.00							
	Area Weightage 8%	10.16							
		137.16							
7	KSRB 4.2.7: Providing and laying in position reinforced cement concrete cum of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1,4.6 Specification No. KBS 4.1, 4.6. Page No. 12, Item No. 4.12, PWD SR 2016-17								
	For Column footing	Cum	9	1.80	1.80	0.75	21.87		
	Pedastal		9	0.90	0.75	1.55	9.42		
	Plinth beam L/wall		3	13.70	0.20	0.45	3.70		
	S/wall		4	7.30	0.20	0.45	2.63		
	S/ wall		2	4.90	0.20	0.45	0.88		
	wall b/n toilet		8	1.50	0.20	0.45	1.08		
	Column from G L to F F		9	0.20	0.60	3.00	3.24		
	Lintel		3	12.30	0.15	0.15	0.83		
			3	9.09	0.15	0.15	0.61		
			2	6.60	0.15	0.15	0.30		

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Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
		8	1.50	0.15	0.15	0.27		
Beam		3	12.30	0.20	0.45	3.32		
Beam		3	9.09	0.20	0.45	2.45		
r Sump tank								
ottom		1	4.00	3.00	0.15	1.80		
all		2	4.00	3.00	0.20	4.80		
all		2	3.00	3.00	0.20	3.60		
Sump Roof		1	4.00	3.00	0.15	3.60		
GF roof		1	12.30	9.09	0.15	16.77		
laging concrete		2	14.10	0.90	0.15	3.81		
		2	10.20	0.90	0.15	2.75		
						87.73	6,876.36	603286.61
Basic Rate	6367							
Area Weightage 8%	509.36							
	6,876.36							

KSRB 4.2.10 : **Providing and laying in position reinforced cement concrete of design mix M20** with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for **plain chajja of 7.5 cms. average thickness**, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 page No. 13, Item No. 4.19, PWD SR 2016-17

Chejja GF V1 :	**Sqm**	6	0.90	2.10		11.34		
						11.34	492.48	**5584.72**
Basic Rate	456.00							
Area Weightage 8%	36.48							
	492.48							

KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 Page No. 17 / Item No. 4.46.2, PWD SR 2016-17

	Tonne							
Consider 100 kg per cum of concrete						~~7.00~~	~~60,534.00~~	~~423738.00~~
(91.87 X 77.29) = 7000 Kg i.e 7:10 T						6.47	65455.56	423497.47
Basic Rate	56,050.00	60667.50						
Area Weightage 8%	4,484.00	4848.56						
	60,534.00	65455.56						

10 **Providing and removing centering shuttering** strutting propping etc., and removal of form work for columns, pillars, abutments, post and struts square/ rectangular/ polygon in plan including cost of all materials labour complete as per specification Page No. 16 / Item No. 4.32, PWD SR 2016-17

	Sqm							
Column Footings		9	7.20		0.75	48.60		
Pedastal		9	3.30		1.55	46.04		
						94.64	395.28	**37407.32**
Basic Rate	366.00							
Area Weightage 8%	29.28							
	395.28							

11 **Providing and removing centering shuttering** strutting propping etc., and removal of form work for sides and soffits of **beams beam houchings** cantilever girders bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specification Page No. 16 / Item No. 4.34, PWD SR 2016-17.

a	**Plinth beam**	**Sqm**	6	12.30		0.45	33.21	
			6	9.09		0.45	24.54	
			4	6.70		0.45	12.06	
			16	1.50		0.45	10.80	
	RCC lintle		6	12.30		0.15	11.07	
			6	9.09		0.15	8.18	
			4	6.70		0.15	4.02	
			16	1.50		0.15	3.60	
b	**Beams GF**		6	12.30		0.45	22.14	

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Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
		6	9.09		0.45	16.36		
		4	6.70		0.45	12.06		
						158.05	276.48	**43696.56**
Basic Rate	256.00							
Area Weightage 8%	20.48							
	276.48							

Providing and removing centering shuttering strutting propping etc., for **chejjas**, corbels etc., including edges including cost of all materials, labour complete as per specifications **Page No. 16 / Item No. 4.37, PWD SR 2016-17**

Chejja GF V1	**Sqm**	6	0.90	2.10		11.34		
						11.34	291.60	**3306.74**
Basic Rate	270.00							
Area Weightage 8%	21.60							
	291.60							

Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs,**landing, balconies and likes thickness upto 200mm including cost of materials, labour complete as per specification **Page No. 15 / Item No. 4.29, PWD SR 2016-17**

For RCC roof	**Sqm**	2	12.50	9.20		230.00		
Sump tank		1	3.50	2.50		8.75		
						238.75	594.00	**141817.50**
Basic Rate	550.00							
Area Weightage 8%	44.00							
	594.00							

14 Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/rrim2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 \ including cost of ail materials labour charges, scaffolding, curing, hirecharges of machineries etc., complete as per specifications. KBS No.54 **Page No. 25 / Item No. 5.27.2, PWD SR 2016-17 400x200x200mm**

For Sump tank	Sqm	1	~~13~~ 11.50		2.5	~~32.5~~ 28.75		
						32.5	~~897.48~~ 1011.96	29,168.10 2909.85
Basic Rate	831.00	937.00						
Area Weightage 8%	66.48	74.96						
	897.48	1011.96						

15 Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/rrim2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 \ including cost of ail materials labour charges, scaffolding, curing, hirecharges of machineries etc., complete as per specifications. KBS No.54 **Page No. 25 / Item No. 5.27.2, PWD SR 2016-17400x150x200mm**

Ground floor		3	12.3		3	110.7		
		3	9.09		3	81.81		
		2	6.7		3	40.2		
Parapet		2	12.3		1.2	29.52		
		2	9.09		1.2	21.816		
						349.046		
Deduction for openings					2.1	-9.24		
Door D		-4	1.1		2.1	-23.52		
D1		-14	0.8		0.6	-4.32		
V1		-6	1.2		0.6	-5.4		
V		-12	0.75		0.15	-11.55		
Lintel		-1	77		Total:-	-54.03		
						295.016	897.48	264770.9597
				Net Qty				
Basic Rate	831.00							
Area Weightage 8%	66.48							
	897.48							

16 **Providing Honne wood frames of doors, windows**, clerestory windows, ventilators and other frames wrought, framed of assembled including making plaster grooves (excluding cost of materials, labour, HOM of machineries complete as per specifications (P. No. 51/ I. No. 9.11 of PWD SR 2016-17)

Door D	**Cum**	4	7.60	0.125	0.075	0.29

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Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
DY		14	6.20	0.125	0.075	0.81		
						1.10	111,083.40	122052.89
Basic Rate	102,855.00							
Area Weightage 8%	8,228.40							
	111,083.40							

Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 35mm thick including cost of materials, labour,HOM of machineries completed as per specification (excluding cost of fixtures)Page No. 50, Item No. 9.15, PWD SR 2016-17

Door D	Sqm	4	0.90		2.350	8.46		
DY		14	0.75		2.350	24.68		
						33.14	5,014.44	166153.47
Basic Rate	4,643.00							
Area Weightage 8%	371.44							
	5,014.44							

8 **Providing and fixing M.S. grill work for windows and ventilator** weighing 21kg/Sqm using M.S. flats, or M.S square rods or combination of M.S. flats and steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery specifications(P.No. 32, I.No. 7.9 of PWD SR 2016-17)

V1	Sqm	6	1.20		0.60	4.32		
V	Kgs	12	0.90		0.60	6.48		
above the gate		2	5.00		0.90	9.00		
						19.80		
Consider 21 kg per one sqm			21	x	19.80	415.80	84.24	35026.99
Basic Rate	78.00							
Area Weightage 8%	6.24							
	84.24							

19 Providing and fixing in position collapsible steel shutters Sqm with single or double leaf with vertical channel 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6 mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppers, handles on both sides with 7.5cms openings at 10 cms. c to c applying a priming coat of red lead paint, cost of materials, labour, HOM of machinery complete as per specifications, size of gate 2.4mx1.4m Specification No. KBS 7.7 / 7.12 Page No. 30, Item No. 7.1, PWD SR 2016-17

	Sqm	2	5.00		2.10	21.00		
						21.00	4,355.64	91468.44
Basic Rate	4,033.00							
Area Weightage 8%	322.64							
	4,355.64							

20 **Providing and fixing in position anodized alluminium windows and ventilators** as per approved drawings with sliding shutters using double track window frame section of size 122.2x31.75mm with 1.2mm thick, bottom section weight of 0.695 kg per m, sides and top section of 1.3mm thick weight of 0.659 kg per m and shutter comprising top and bottom section of size 40mmx18mm , 1.25mm thick of 0.417 kg per m shutter outer side 40mmx18mm, 1.25mm thick weight of 0.417 kg per m, shutter interlock section 40mmx 26.7mm , 1.1mm thick, wieght of 0.469 kg per m the shutter mounted on nylon roller with approved quality of fixture such as alluminium tower bolts etc., and providing and fixing 5.5mm thick plain glass of shutter fitted with rubber beading alluminium section anodized 12 to 15 microns including cutting to required length, joints mitred sub dividing the frame tenonned revited in the assembled frame stiffened with end clips at corners angles etc., and fixed to walls, lintles, floor beams or cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, alluminium section pre treated for removal of any rust and coated with greesy or non adhesion of motor and other sticky materials (this coating should be cleaned after installation) including cost of all materials , fixtures labour and HOM at machinary complete as per specificaions **(Page No 35. item No. 7.12.1)**

	Sqm							
V1		6	1.20	0.60		4.32		
V		12	0.90	0.60		6.48		
						10.80	3,842.64	41500.51
Basic Rate	3,558.00							
Area Weightage 8%	284.64							
	3,842.64							

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Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering: providing and removing scaffolding, including cost of materials labour curing complete as per specifications(P.No. 112, I.No. 15.15 of PWD SR 2015-16)								
In side plastering	**Sqm**							
For Sump tank		1	12.40		2.00	24.80		
Waiting room		2	5.60		3.30	36.96		
		2	5.50		3.30	36.30		
Toilet room		14	1.50		3.30	69.30		
long wall		2	12.30		3.30	81.18		
		2	9.09		3.30	59.99		
partions wall		11	1.50		3.30	54.45		
		11	1.30		3.30	47.19		
Deductions Door D	0.5	-4	1.10		2.10	-4.62		
Door D1	1	-14	0.80		2.10	-23.52		
V1	0.5	-6	1.20		0.60	-2.16		
Ventilator V	0.5	-12	0.90		0.60	-3.24		
						376.63	263.52	**99250.59**
Basic Rate	244.00							
Area Weightage 8%	19.52							
	263.52							
22 **Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling** incluidng rounding off corners wherever required smooth rendering providing and removing scaffolding including cost of materials, labour curing complete as per specification . **Page No. 114, Item No. 15.21 of PWD SR 2016-17**								
GF	Sqm	1	9.09		9.10	82.72		
						82.72	208.44	**17241.95**
Basic Rate	193.00							
Area Weightage 8%	15.44							
	208.44							
23. **Providing lime rendering for plastering** to wall and ceiling, including cost of materials, labour, curing complete as per specifications **Page No. 115, Item No. 15.33, PWD SR 2016-17**								
	Sqm	(Qty vide Item no.24 & 25)				82.72		
						82.72	27.00	**2233.41**
Basic Rate	25.00							
Area Weightage 8%	2.00							
	27.00							
24 **Providing 20mm thick cement plaster in single coat** with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications **(Page No116, Item No.15.18) PWD SR 2018-19**								
OutSide	**Sqm**	2	12.30		9.09	223.61		
		2	12.30		9.09	223.61		
						447.23		
Deductions Door D	0.5	-4	1.10		2.10	-4.62		
D1	0.5	-14	0.80		2.10	-11.76		
V1	0.5	-12	1.20		0.60	-4.32		
V	0.5	-6	0.90		0.6	**-20.70**		
						-41.40		
						405.83	287.28	**116586.27**
Basic Rate	**259.00**							
add for water proofing	**7.00**							
Total	**266.00**							
Area Weightage 8%	21.28							
	287.28							

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	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
	Providing and laying flooring using **prepolished, water cut/gang saw 19mm thick granite** laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - **using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 1200mm (P.No.107, I.No.14.47.1 of PWD SR 2016-17)**								
	Ground Floor	Sqm							
	Waiting room (Gents)		2	5.15	3.00		30.90		
	Passage		2	5.70	1.20		13.68		
	Waiting room (Ladies)		2	2.80	3.10		17.36		
							61.94	2,828.52	175198.53
	Basic Rate	2,619.00							
	Area Weightage 8%	209.52							
		2,828.52							
26	**Providing and laying integral cement based water proofing treatment** including preparation of surface as required for treatment of roofs, balconies terraces etc., consisting of following applications a) applying and grouting a slurry coat of neat cement using 2.75 kg per sqm of cement admixed with proprietary water proofing compound confirming to IS 2645 over the RCC slab after cleaning the surface before treatment b)laying cement concrete using broken brick bats 25mm to 100mmsize with 50% of cement mortar 1:5 admix with propreatory water proofing compound confirming IS 2645 over 20mm thick layer of cement mortar 1:5 admix with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs c)after two days of proper curing applying a second coat of cement slurry admix with preprietoray water proofing compound d) finishing the surface with 20mm joint less cement mortar of mix 1:4 admix with preprietary water proofing compond wall finally finishing the surface with travel and neat cement slurry and making of 300 x 300 mm square e the whole terrace so finished shall be flooded with water for a minimum period of two weeks curing and final test including cost of materials labour complete as per specifications **Page No. 66, Item No. 10.2 of PWD SR 2016-17**.									
		Sqm	1	9.10		9.10	82.81		
							82.81	976.32	80849.06
	Basic Rate	**904.00**							
	Area Weightage 8%	72.32							
		976.32							
27	Providing and fixing on wall surface 4.0kg?Sq.cm **H.D.P.E. rain down water pipes 90mm outer dia approved** make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specificationPage No. 47 / Item No. 8.18, PWD SR 2016-17								
		m	6	8.00			48.00		
							48.00	453.68	21776.64
	Basic Rate	428.00							
	Area Weightage 6%	25.68							
		453.68							
28	KSRB 11-5 : Providing and fixing white vitreous china clay, **water closet European type (Pedestal type, P-trap) with black solid plastic seat** and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets; 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 **(P 79 It 12.5) PWD SR 2016-17**									
		Pan	14				14		
							14	5,540.40	77565.60
	Basic Rate	5,130.00							
	Area Weightage 8%	410.40							
		5,540.40							
29	Providing and fixing white vitreous china clay flat back **wash basin size 630x450mm with a** single of 15mm C.P. brass pillar taps with C.I. /M.S. brackets 32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cuttings and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications **(P.No. 81, I.No. 12.24 of PWD SR 2015-16)** 2016-17								
		Unit	12				12		

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Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
Basic Rate	3,007.00					12	3,247.56	38970.72
Area Weightage 8%	240.56							
	3,247.56							

Providing and fixing white vitreaus **china clay, flat back, lipped front urinal basin of.430x260x350mm** with 5 litre PVC automatic flushing cistren, C.I./M.S bracket, standard flush pipe and c.P. brass spreaders with brass union and G.I.Clamp Complete painting of fitting and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specification **(Page No. 80, item No. 12.7) PWD SR 2016-17**

	Unit	12						
						12.00		
Basic Rate	2,967.00					**12.00**	3,204.36	**38452.32**
Area Weightage 8%	237.36							
	3,204.36							

31 KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x45 cms 6mm thick with border of size 30 x 10 cms.(Page No. 108, Item No. 14.41.3) PWD SR 2018-19

Toilet	Sqm							
Flooring		14	1.50	1.250		26.25		
Basic Rate	1,119.00					**26.25**	1,208.52	**31723.65**
Area Weightage 8%	89.52							
	1,208.52							

32 Providing and fixing colour glazed tiles of size 300mmx600mm for walls with borders of size 300x100mm, set in Cement Mortar 1:3 and pointed with white cement with matching colour pigment with necessary curing, cleaning including providing and removing scaffolding wherever necessary etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for equipment, etc., complete as per specification. (P 112 It 14.64) PWD SR 2016-17

For Wall cladding	**Sqm**							
Toilet wall		14	4.90		3.30	226.38		
Ladies waiting area wall		2	10.90		3.30	71.94		
Gents waiting area wall		2	18.90		3.30	124.74		
Passage		2	8.10		3.30	53.46		
						423.06		
Deduct								
v		-12	0.90		0.60	-6.48		
v1		-8	1.20		0.60	-5.76		
D		-8	1.20		2.10	-20.16		
D1		-28	0.75		2.1	-44.10		
						-76.50		
						499.56		
						499.56	1,257.12	**628006.87**
Basic Rate	**1,164.00**							
Area Weightage 8%	93.12							
	1,257.12							

33 Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. (P.No. 88, I.No. 12.111 of PWD SR 2016-17)

	Each	24				24.00		
						24.00	172.80	**4147.20**
Basic Rate	160.00							
Area Weightage 8%	12.80							
	172.80							

34 Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 10cms x 7.5cms

A. 12-113-1 p.no. 87

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	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
		Each	24				24.00		
	Basic Rate	250.00					24.00	270.00	6480.00
	Area Weightage 8%	20.00							
		270.00							
	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 25mm nominal OD pipes (P.No.96, I.No. 13.86.3 of PWD SR 2016-17)								
		m	1	150.00			150.00		
	Basic Rate	250.00					150.00	270.00	40500.00
	Area Weightage 8%	20.00							
		270.00							
	KSRB13-6.2-1 : Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3								
		Each	14				14		
	Basic Rate	161.00					14	173.88	2434.32
	Area Weightage 8%	12.88							
		173.88							
	providing and fixing in position brass gate valve with C.I. Wheel of approved quality (Screwed end) 20mm nominal bore including cost of all materials labour and HOM of Equipments with all lead complete as per specificatins **(P.No. 91, I.No. 13.33 of PWD SR 2015-16)**								
		Each	8				8		
	Basic Rate	409.00					8	441.72	3533.76
	Area Weightage 8%	32.72							
		441.72							
38	**Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. - for 32mm dia**								
		Each	6				6		
	Basic Rate	125.00					6	135.00	810.00
	Area Weightage 8%	10.00							
		135.00							
39	Constructing brick masonry inspection chamber 450x450mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and dowhsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 450x450mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 450x450mm (P.No. 74 / I.No.11.50.2 of PWD SR 2016-17)								
		Nos	6				6		
	Basic Rate	5,344.00					6	5,771.52	34629.12
	Area Weightage 8%	427.52							
		5,771.52							
40	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification No.KBS 13.22 Page No. 94, Item No. 13.78, PWD SR 2016-17								

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Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
	Nos	2				2		
Basic Rate	8,467.00					2	9,144.36	18288.72
Area Weightage 8%	677.36							
	9,144.36							

RB 15.15.4 : Extra over Item 15-15.3 for painting with one coat plastic emulsion paint of approved brand and shade on ceiling and / or sloping roof as per specifications.

If 15.52.2 P-117

	Sqm	Qty vide item No.26				82.72		
						82.72	3.24	268.01
Basic Rate	3.00							
Area Weightage 8%	0.24							
	3.24							

KSRB 15-15.5 : Extra for providing and applying every subsequent coat of painting with plastic emulsion paint approved brand and shade for Item no.15-15.1 and 15-15.3 cost of materials, labour, complete as per specifications.

P. 117 - Ir 15.52.3

	Sqm	Qty vide item No.26				82.72		
						82.72	32.40	2680.10
Basic Rate	30.00							
Area Weightage 8%	2.40							
	32.40							

Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specificationsPage No. 117 / Item No. 15.53.2, SR 2016-17.

	Sqm	Qty vide item No.27				405.83		
						405.83	90.72	36816.72
Basic Rate	84.00							
Area Weightage 8%	6.72							
	90.72							

KSRB 15-16.3 : Extra for providing and applying every subsequent coat of waterproofing cement paint of approved brand and shade for Item no.15-16.1 cost of materials, labour, complete as per specifications. (Page No.120, Item No.15.53.3)

	Sqm	Qty vide item No.27				405.83		
						405.83	29.16	11833.94
Basic Rate	27.00							
Area Weightage 8%	2.16							
	29.16							

Applying priming coat over new wood surface and/ or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specificatios **(P.No. 118, I.No. 15.59 of SR 2015-16).**

	Sqm							
D		4	1.10	2.10		9.24		
D1		14	0.80	2.10		23.52		
V		12	0.90	0.60		6.48		
V1		6	1.20	0.60		4.32		
						43.56	44.28	1928.84
Basic Rate	41.00							
Area Weightage 8%	3.28							
	44.28							

46 **Providing and applying painting two coats (excluding priming coat)** on new wood surface and/ or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications **(P.No. 118, I.No. 15.60.1 of SR 2016-17).**

	Sqm	Qty vide item No.49				4.32		
						4.32	90.72	391.91
Basic Rate	84.00							

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Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
Area Weightage 8%	6.72							
	90.72							

E 15-17.8 : Extra over Item No. 15-17.6 for applying every subsequent coat of enamel paint to give an shade after cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of erials, labour, complete as per specifications. (Page No.121, Item No.15.60.2) PWD SR ~~2018-19~~ 2016-17

	Sqm							
			Qty vide item No.49			4.32		
Basic Rate	48.00					4.32	51.84	223.95
Area Weightage 8%	3.84							
	51.84							

E13-9.7 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm king pressure 110mm outside diameter with special flange, compression type fittings, wall clips, making the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing plete as per specifications. Specification No.KBS 13.2.15.2 / 13.9:(page 96, Item No 13.73.5)

	RMt	60				60.00		
					Total	60.00	616.68	37000.80
Basic Rate	571.00							
Area Weightage 8%	45.68							
	616.68							

ctangalur shape mirror of size 1500x450mm with plastic moulded frame Page xxiv Item No 692)

	Nos	4				4		
Basic Rate	1,150.00					4	1242.00	4968.00
Area Weightage 8%	92.00							
	1242.00							

	4169545=59 Sub Total	~~41704595~~ 4169860.37
oviding electrical works @ 1%	42013=39	~~44,698.60~~ 44,698.60
	4211558.98	4,211,558.98
dd 5% Tender Premium		210,577.95
	Total	4,422,136.93
		530,656.43
ST 12%		46,704.14
MC charges		502.50
dd for unforseen work	Grand Total Rs	5,000,000.00

(Rupees ~~One hundred and fifty Lakhs Only~~ fifty Lakhs only)

ERTIFICATE

The Work spot has been inspected and the work found to be necessary

The Estimate is prepared as per the PWD SR 2016-17

The Provision made in estimate are adequate and essential

This area comes under BBMP limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ಸಂ. EE/DD/AS/89/ದಿನಾಂಕ : 18/11/18
ರೂ. Rs 50.00 Lakhs
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಧಿಕಾರಿಗಳು
ಬಿ.ಬಿ.ಎಂ.ಪಿ

ಸಂ. EE/DZ/TS/77/16-19 ದಿನಾಂಕ : 18/12/2018
ರೂ. 50.00 Lakhs/- (Rs fifty Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾ
ಮುಖ್ಯ ಅಧಿ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ದಾಸರಹಳ್ಳಿ ವಲಯ

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